

AMENDMENTS

Please amend the specification and claims as follows.

In the Specification:

Please delete the paragraph beginning at page 4, line 20 and ending at page 4, line 31, and substitute therefor the following paragraph:

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21 In another embodiment, the present invention provides a method for monitoring products or reactants, such as in enzyme reactions, by high throughput mass spectrometry by providing a cell or bacteria that has been transformed with a plasmid containing one or more member of a library, e.g., of related gene sequences, such as related enzyme gene sequences. One or more cells or a cell colony or culture is grown from the cell; producing one or more product or reactant from the cell colony or culture in a biological matrix, thereby producing a non-column-separated sample; purifying the non-column separated sample from the biological matrix using an off-line parallel adjustment of the biological matrix, and monitoring the non-column separated sample by flow-injection analysis using electrospray tandem mass spectrometry, thereby monitoring the one or more product or reactant. In this way, enzyme reactions and their products can be studied at high throughput levels.

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In accordance with 37 C.F.R. § 1.121, a marked up version of the above-amended paragraph illustrating the changes introduced by the foregoing amendment is attached herewith as Appendix B.